

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047223 A1

- (51) International Patent Classification: **C07C 41/18**, 43/04
- (21) International Application Number: PCT/EP2004/013160
- (22) International Filing Date: 17 November 2004 (17.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 03078564.6 17 November 2003 (17.11.2003) EP
- (71) Applicant (for all designated States except US): **DSM IP Assets B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE HEERLEN (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SARAKINOS, Georgios** [GR/NL]; Keizer Karelplein 14, NL-6211 TC MAASTRICHT (NL). **BROXTERMAN, Quirinus Bernardus** [NL/NL]; Gelrestraat 11, NL-6151 JA MUNSTERGELEEN (NL).
- (74) Agent: **MATULEWICZ, Emil, Rudolf, Antoni**; DSM Intellectual Property, Delft Office (600-0240), P.O. Box 1, NL-2600 MA DELFT (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF ALIPHATIC PRIMARY ALCOHOLS AND RELATED INTERMEDIATES IN SUCH PROCESS

(57) Abstract: The invention relates to protected alcohol with formula (R¹ - O-)_mPG, wherein R¹ represents a linear, straight-chain alkyl group having 26-30 C-atoms, m is 1 or 2, and PG, forming an ether group in combination with the -O- of the former primary alcohol, represents a protecting group chosen from the group of substituted methyl, substituted ethyl, substituted benzyl and (substituted) silyl groups with at least one substituent on the Si-atom being not a methyl group, in case m = 1; and a diol protecting group in case m = 2, with the proviso that PG is no saccharide. The invention further relates to process for the preparation of such protected alcohols via an organometallic cross coupling reaction.

WO 2005/047223 A1